

ABSTRACT

[0079] A transceiver system includes a first section coupled to a first antenna, a second section coupled to a second antenna, and a radio frequency (RF) unit. The first section includes a transmit path and a first receive path for a first (e.g., GSM) wireless system, a transmit path and a first receive path for a second (e.g., CDMA) wireless system, and a transmit/receive (T/R) switch that couples the signal paths to the first antenna. The second section includes a second receive path for the first wireless system and a second receive path for the second wireless system. The first and second receive paths for the first wireless system are for two frequency bands. The first and second receive paths for the second wireless system are for a single frequency band and provide receive diversity. The transceiver system may include a GPS receive path coupled to a third antenna.